Solution by P. S. BERG, Larimore, North Dakota.

Since he received \$300 and a suit of clothes for a year, for one month he received \$25 and $\frac{1}{12}$ suit of clothes, and for five months he received \$125 and $\frac{5}{12}$ suit of clothes. He received \$60 and the clothes, hence \$60+suit of clothes= \$125+$\frac{5}{12}$ suit of clothes, or $\frac{7}{12}$ suit=\$65. Whence once suit=\$111$\frac{3}{7}$.

Also solved by *E. W. MORRELL* and *JAMES F. LAWRENCE*.

68. Proposed by F. P. MATZ, M. Sc., Ph. D., Professor of Mathematics and Astronomy in Irving College, Mechanicsburg, Pennsylvania.

The population of a city is annually increasing $m=2\frac{1}{2}\%$. If the population now is $P=68921$, what was it $n=3$ years ago? At this rate of increase, what will the population be $n=3$ years hence?

Solution by P. S. BERG, Larimore, North Dakota.

Let 100%=what the population was 3 years ago. Then the population at present is $(100\%+2\frac{1}{2}\%)^3$. Hence $(100\%+2\frac{1}{2}\%)^3=68921$. Whence 100%= 64000, the population 3 years ago. In 3 years hence the population will be $(100\%+2\frac{1}{2}\%)^3$ of 68921, or 74220.378765625.

69. Proposed by EDGAR M. JOHNSON, Professor of Mathematics, Emory College, Oxford, Georgia.

Every man in a certain group belongs to at least one of these classes: Methodists, Democrats, Farmers. In the group there are 10 Methodists, 12 Democrats. 13 Farmers; 3 men who are Methodists and Democrats, 4 who are Democrats and Farmers, 5 who are Methodists and Farmers. Finally, there are 2 men who are at the same time Methodists, Democrets and Farmers. Required the number of men in the group.

I. Solution by J. C. CORBIN, Pine Bluff, Arkansas.

Using obvious abbreviations, we can form the following table in which each small letter denotes a man:

Methodists.	Democrats.	Farmers.
a, b	a, b	a, b
c, d, e, f, g	h, i, j, k	h, i, j, k
l, m, n	l, m, n	r, s
	o, p, q	

Counting each letter once only, gives 19; 10 in the first column, 12 in the second column, and 13 in the third column.

II. Solution by G. B. M. ZERR, A. M., Ph. D., Texarkana, Arkansas-Texas, and FREDERICK R. HONEY, Ph. B., New Haven, Connecticut.

Methodists.	Democrats.	Farmers.	Total.
3	3	0	3
0	4	4	4
5	0	5	5
2	2	2	2
10	9	11	14
0	3	2	5
10	12	13	19

$\therefore$ 19 men in the group.

Also solved by *E. W. MORRELL*, *JAMES F. LAWRENCE* and *P. S. BERG*.